

Engine Driven

Blue Star® 145 DX and 185 DX

See Literature
No. ED/2.5

Reliable outdoor portable power! Great for farm, ranch, maintenance, construction and hobbyist.



Blue Star 145 DX

Blue Star 185 DX

Compact and portable, it's small footprint uses little truck space. Optional running gear also makes the Blue Star one-man portable.

Includes electric start, five-gallon fuel capacity, auto-idle and engine hour meter.

Receptacle covers improve reliability by protecting receptacles from debris.

Accu-Rated™ peak generator power is usable for maximum generator loads such as plasma cutting, Millermatic® MIG welders and motor starting.

Light Industrial



Processes

- Stick (SMAW)
- TIG (GTAW)

Gasoline Engines

See options at MillerWelds.com

Most Popular Accessories

- Millermatic® 140 Auto-Set™ #907 335
- Millermatic® 180 Auto-Set™ #907 312
- Lifting Eye #195 353
- No. 38 Running Gear #195 352
- Protective Cover #195 193 (not for use with running gear)
- No. 2 Stick Cable Set

Model	Stock Number	Welding Mode/Process	Amperage Range	Rated Output at 40° C (104° F)	Single-Phase Generator Power at 40° C (104° F)	Dimensions	Net Weight
Blue Star 145 DX	(#907 544) with GFCI (#907 544-001) with standard receptacles	CC/DC (Stick/TIG)	40-145	145 A at 25 V, 20% Duty Cycle 100 A at 25 V, 60% Duty Cycle	Peak: 4500 watts Continuous: 4000 watts	H: 578 mm (22.75 in.) W: 578 mm (22.75 in.) D: 803 mm (31.625 in.)	140 kg (309 lb.)
Blue Star 185 DX	(#907 545) with GFCI (#907 545-001) with standard receptacles	CC/DC (Stick/TIG)	55-185	185 A at 25 V, 20% Duty Cycle 130 A at 25 V, 60% Duty Cycle	Peak: 6000 watts Continuous: 5500 watts		143 kg (315 lb.)

Wildcat® 200

See Literature No. ED/3.0

Compact, lightweight, durable and cost effective machine is designed for the contractor and is great for maintenance/repair, farm and ranch applications.



Fully enclosed durable case provides a fully protected engine to ensure long-term engine reliability.

Accu-Rated™ 6500 watts of usable peak power cranks out enough power for many construction, maintenance/repair, and farm/ranch applications. 5500 watts of continuous power.

12 hours of run time is provided by a 25 L (7-gallon) fuel tank when using a typical 3.2 mm (1/8 in.) Stick electrode.

Tested and rated at 40° C (104° F) to ensure consistent operation of the welder and generator in all climates.

Heavy duty construction ensures protection from rough handling or that the elements to keep you making money, rather than spending it.

Compact design takes up less truck space, is 508 mm (20 in.) wide to fit on service truck tool boxes and is only 629 mm (24 in.) tall allowing visibility out of the rear window when truck mounted.

Standard maintenance displays and front panel mounted engine controls make the Wildcat easy to service and operate.

Light Industrial / Industrial



Processes

- Stick (SMAW)
- TIG (GTAW)

Gasoline Engine

Subaru EX40: 14 HP at 3600 RPM

1 cylinder, 4 cycle, overhead cam, industrial, air-cooled

Note: Engines are warranted separately by engine manufacturer.

Most Popular Accessories

- Millermatic® 140 Auto-Set™ #907 335
- Millermatic® 180 Auto-Set™ #907 312
- Spectrum® 375 X-TREME™ #907 339
- Plasma Cutter #300 517
- Adapter Cord, Full KVA #300 517
- Wildcat 200 Running Gear #300 532
- Protective Cover #300 496 (not for use with running gear)

Stock Number	Welding Mode/Process	Amperage Range	Rated Output at 40° C (104° F)	Single-Phase Generator Power at 40° C (104° F)	Dimensions	Net Weight
(#907 546) Subaru with GFCI (#907 546-001) Subaru	CC/DC (Stick/TIG)	50-200	200 A at 25 V, 20% Duty Cycle 150 A at 25 V, 100% Duty Cycle	Peak: 6500 watts Continuous: 5500 watts	H: 629 mm (24.75 in.) W: 508 mm (20 in.) D: 902 mm (35.5 in.)	159 kg (345 lb.)



Bobcat™ Series

Our Bobcat engine-driven welder/generators have been the top-selling in their class because they are engineered to be reliable, powerful and durable from the start.

NEW!

The most popular welder/generator in the industry is getting better. Building on its exceptional value, the new Bobcats are:

- Quieter to operate
- Smaller and lighter
- More fuel efficient with EFI
- Easier to maintain



Bobcat 225

Bobcat 3 Phase

Bobcat 250



IMPROVED! Quieter and better sound. Significant improvements in sound level and quality

offer better jobsite communication, which provides a safer, more efficient working environment for you and your crew. New Bobcat welder/generators have rotated the engine toward the front to create more efficient airflow, resulting in significantly quieter operation. Now you can start your job earlier in the day and end it later, as well as work around hospitals, businesses, and residential areas.



IMPROVED! Smaller and lighter design. New Bobcat welder/generators take up less space

on trucks and trailers — leaving more room for other equipment and tools. Plus, they're easier to move around jobsites — even with weld cables and running gear attached.

IMPROVED! Easier maintenance.

Easy-to-read front panel maintenance displays show when your equipment needs to be serviced. With the intuitive design, the daily maintenance is faster and easier:

- Oil checks from the top by the front panel
- Toolless panels that allow for quick access
- Single-side fuel fill and oil drain/filter



Smooth power. Better power means better performance. Our Bobcat welder/generators have smoother power — not the spiked power found with other brands — because of:

- Revolutionary ten-degree skewed-rotor design
- Optimized generator performance

Accu-Rated™ — not inflated generator power. Our Accu-Rated peak power is usable for maximum generator loads, including plasma cutters, wire welders and motor starting. It also beats the competition's very short-duration peak or surge power. Accu-Rated power delivers:

- 11,000 watts (12,000 with EFI available on the Bobcat 250) of usable peak power
- Peak power delivered for a minimum of 30 seconds

Large 12-gallon fuel capacity means many hours of run time before refueling.

Versatile AC and DC weld output provides quality welds on all types of metals. DC is smooth and easy to run while AC Stick is used when arc blow occurs.

Maintenance displays show engine hours and hours left before an oil change is due.

Super-tough protective armor with covers has high-impact resistance in all temperatures and is chemical-resistant. Other applications include: automotive bumpers, tractor hoods and panels, lawn mower decks, large structural parts, etc.

Output stud and receptacle covers as required by OSHA and CSA for jobsite safety.

Fully enclosed case provides reduced sound levels and fully protects the engine.

Welding and power ratings are at 40°C (104°F) — highest in its class to ensure reliable performance.

Heavy-duty construction. All internal components are designed to handle the harshest environments and will run better and last longer.

Engine Driven

Bobcat™ 225 (Gas) See Literature No. ED/4.4

Cost-effective, multiprocess machine primarily used for Stick welding. Great for farm, ranch, maintenance/repair operations and as a stand-alone generator.

Bobcat™ 3 Phase (Gas) See Literature No. ED/4.33

Designed for farm and ranch owners in need of single- and three-phase power to run 480 V three-phase pivot irrigation systems or to provide backup power for home, farm and ranch.



Bobcat™ 250 (Gas or LP) Additional Features See Literature No. ED/4.4

Rugged engine drive is great for Stick and Flux-Cored welding, adds ability to Carbon Arc gouge, and is designed for maintenance/repair operations, construction, farm/ranch, and generator use.

Front panel fuel gauge provides convenient fuel level indication.

Smoother weld output and better generator power while welding.

More weld output than 225-amp welder generators for more versatility. 72 percent more power for MIG/FCAW, 67 percent more for AC welding, and 11 percent more for DC Stick.



Electronic Fuel Injection (EFI) – Recommended Option



EFI gas engines optimize the air/fuel ratio for all engine speeds and engine

loads, resulting in lower operational costs, fewer emissions, longer runtimes and better performance when compared to carbureted models. The payback from fuel savings alone is a matter of months. EFI will give you:

- 12,000 watts of generator power and more weld output
- Easy starts with no choke required
- Reliable operation, even with infrequent use – less prone to fuel deterioration
- Fuel efficiency – use up to 27 percent less fuel
- Fewer emissions – 27 percent less CO and 33 percent lower HC+NOx levels

Industrial – 225 & 3 Phase Models Heavy Industrial – 250 Model



Processes

- AC/DC Stick (SMAW)
- MIG (GMAW)¹
- Flux-Cored (FCAW)¹
- AC²/DC TIG (GTAW)
- Air Carbon Arc Cutting and Gouging
- (CAC-A)³ (rated 4.8 mm [3/16 in.] carbons, capable 6.4 mm [1/4 in.] carbons)

¹With voltage-sensing feeder only.

²With Dynasty® 200 Series or HF-251 (non-critical).

³Bobcat 250 model only.

Gasoline/LP Engines

Gas – Kohler CH 730 or Subaru EH 65:

23 HP at 3600 RPM

EFI Gas – Kohler ECH 730:

25 HP at 3600 RPM

LP – Kohler CH 730:

25 HP at 3600 RPM

V-twin-cylinder, four-cycle, overhead valve, industrial, air-cooled

Note: Engines are warranted separately by engine manufacturer.

Most Popular Accessories

- Single-Phase Full KVA Plug Kit #119 172
- SuitCase® X-TREME™ Wire Feeders
- Dynasty® 200 Series
- Spectrum® Plasma Cutters
 - 375 X-TREME™ #907 339
 - 625 X-TREME™ #907 404
- Adapter Cord, Full KVA #300 517
- Remote Oil Drain/Filter Kits
- Hose and LP Tank Mounting Assembly #300 917
- Multi-Terrain Running Gear
 - with Inner Tubes #300 913
 - with Never Flat™ tires #300 914
- Off-Road Running Gear
 - with Inner Tubes #300 909
 - with Never Flat™ tires #300 910
- Protective Cage with Cable Holders #300 921
- Protective Cover
- HWY-1000 Trailer #195 013
- Engine Tune Up Kits are available from your Miller parts distributor.

*Additional models are available – visit MillerWelds.com or your distributor.

	Model	Stock Number*	Welding Mode	Process	Amp/Volt Ranges	Rated Output at 40°C (104°F)	Generator Power 40°C (104°F)	Net Weight
Gasoline/ LP	Bobcat 225	#907 498) Kohler with GFCI #907 498-001) Kohler w/Std. Rcpt. #907 499) Subaru w/Std. Rcpt.	CC/AC	Stick/TIG	70 – 150 A	150 A at 25 V, 100% Duty Cycle	Single-Phase Peak: 11,000 watts Continuous: 9500 watts	220 kg (485 lb.)
			CC/DC	Stick/TIG	50 – 225 A	225 A at 25 V, 100% Duty Cycle		
			CV/DC	MIG/FCAW	19 – 28 V	200 A at 20 V, 100% Duty Cycle		
	Bobcat 3 Phase	#907 505) Kohler with GFCI	CC/AC	Stick/TIG	50 – 200 A	200 A at 25 V, 100% Duty Cycle	Single-Phase/Three-Phase Peak: 11,000 watts Continuous: 9500 watts/10,000 watts	225 kg (495 lb.)
			CC/DC	Stick/TIG	50 – 225 A	210 A at 25 V, 100% Duty Cycle		
			CV/DC	MIG/FCAW	19 – 28 V	200 A at 20 V, 100% Duty Cycle		
	Bobcat 250	#907 500) Kohler with GFCI #907 500-001) Kohler w/Std. Rcpt. #907 501) Subaru w/Std. Rcpt. #907 502) EFI Kohler #907 504) LP Kohler with GFCI (order #300 917 Hose and LP Tank Mounting Assembly separately)	CC/AC	Stick/TIG	40 – 250 A	250 A at 25 V, 60% Duty Cycle 225 A at 25 V, 100% Duty Cycle	Single-Phase Peak: 11,000 watts Continuous: 9500 watts EFI Model Peak: 12,000 watts Continuous: 10,500 watts	227 kg (501 lb.)
			CC/DC	Stick/TIG	40 – 250 A	250 A at 25 V, 100% Duty Cycle		
			CV/DC	MIG/FCAW	17 – 28 V	275 A at 25 V, 60% Duty Cycle 250 A at 28 V, 100% Duty Cycle		



Trailblazer® 302 & 275 DC

Gas or LP
See Literature No. ED/4.77

High output, unbeatable arc performance, and the independent weld and generator system make these engine drives perfect for construction, fabrication, and maintenance/repair operations.



Trailblazer 302 gas model shown.

Electronic Fuel Injection (EFI) – Recommended Option



- 12,000 watts of generator power and more weld output
- Easy starts with no choke required
- Reliable operation, even with infrequent use – less prone to fuel deterioration
- Fuel efficiency – use up to 27 percent less fuel
- Fewer emissions – 27 percent less CO and 33 percent lower HC+NOx levels

Superior arc performance

- Four preset DIG settings (Stick)
- Adaptive Hot Start™ (Stick)
- Excellent MIG/FCAW arc performance
- Lift-Arc™ TIG with Auto-Crater™ and Auto-Stop™

EXCLUSIVE! DC TIG arc end with Auto-Crater™

- Eliminates need for a remote control
- Maintains shielding gas coverage
- Eliminates tungsten and workpiece contamination
- Eliminates unwanted arc strikes outside the weld area

Accu-Rated™ – not inflated generator power.

Our Accu-Rated peak power is usable for maximum generator loads, including plasma cutters, wire welders and motor starting. It also beats the competition's very short-duration peak or surge power. Accu-Rated power delivers:

- 11,000 watts (12,000 with available EFI) of usable peak power
- Peak power delivered for a minimum of 30 seconds

Self-calibrating digital weld meters with maintenance displays

- Preset and actual weld amperage/voltage
- Fuel gauge
- Hour meter function and oil change interval
- Engine RPM's

Super-tough protective armor with covers has high-impact resistance in all temperatures and is chemical-resistant. Other applications include: automotive bumpers, tractor hoods and panels, lawn mower decks, large structural parts, etc.

Independent weld and generator. Trailblazer Series has the only truly independent weld and generator system — meaning no interaction between tools and the welding arc, and it has the strongest generator power while welding.

Heavy Industrial



Trailblazer 275 DC is DC only.

Processes

- AC/DC Stick (SMAW)
- MIG (GMAW)²
- Flux-Cored (FCAW)²
- AC/DC³ TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 4.8 mm [3/16 in.] carbons, capable 6.4 mm [1/4 in.] carbons)

¹302 model only.

²With wire feeder.

³Both models with Dynasty® 200 Series or 302 model with HF-251.

⁴Two-piece TIG torch recommended.

Gasoline/LP Engines

Gas – Kohler CH 730 or Subaru EH 65:
23 HP at 3600 RPM

EFI Gas – Kohler ECH 730:
25 HP at 3600 RPM

LP – Kohler CH 730:
25 HP at 3600 RPM

V-twin-cylinder, four-cycle, overhead valve, industrial, air-cooled

Note: Engines are warranted separately by engine manufacturer.

Most Popular Accessories

- 1-Phase Full KVA Plug Kit #119 172
- SuitCase® X-TREME™ 12VS
- Spoolmatic® 30A Aluminum Spool Gun / WC-24 Control #130 831 / #137 549
- Dynasty® 200 Series
- Spectrum® Plasma Cutters 625 X-TREME™ #907 404 875 #907 390-01-1
- Adapter Cord, Full KVA #300 517
- Remote Oil Drain/Filter Kits
- Hose and LP Tank Mounting Assembly #195 329
- All-Purpose Running Gear for Gas/LP models with Inner Tubes #300 396 with Never Flat™ tires #300 477
- Protective Cage with Cable Holders
- Protective Covers
- HWY-1000 Trailer #195 013
- HF-251D-1 #042 388
- Engine Tune Up Kits are available from your Miller parts distributor.

*Additional models are available – visit MillerWelds.com or your distributor.

	Model	Stock Number*	Welding Mode	Process	Amp/Volt Ranges	Rated Output at 40°C (104°F)	Single-Phase Generator Power 40°C (104°F)	Net Weight
Gasoline/ LP	Trailblazer 275 DC	(#907 214) Kohler (#907 215) Subaru (#907 451) EFI Kohler (#907 214-02-2) LP Kohler with GFCI (order #195 329 Hose and LP Tank Mounting Assembly separately)	CC/DC	Stick/TIG	10 – 275 A	275 A at 100% Duty Cycle	Peak: 11,000 watts Continuous: 9500 watts EFI Model Peak: 12,000 watts Continuous: 10,500 watts	258 kg (568 lb.)
			CV/DC	MIG/FCAW	13 – 33 V, 10 – 275 A	275 A at 100% Duty Cycle		
	Trailblazer 302	(#907 216) Kohler (#907 217) Subaru (#907 452) EFI Kohler (#907 216-02-2) LP Kohler with GFCI (order #195 329 Hose and LP Tank Mounting Assembly separately)	CC/AC	Stick/TIG	10 – 225 A	200 A at 60% Duty Cycle		
			CC/DC	Stick/TIG	10 – 300 A	280 A at 100% Duty Cycle		
			CV/DC	MIG/FCAW	13 – 35 V, 10 – 325 A	300 A at 100% Duty Cycle		

Trailblazer® 302 Air Pak™

See Literature No. ED/4.78

Powerful all-in-one tool is designed for repair and construction with unbeatable multiprocess weld quality, integrated rotary screw air compressor, 13,000 watts of generator power for jobsite tools, and battery charge/jump start.



Improved!

Now with Higher Air Output!

Battery charge/jump start

- For 12- and 24-volt batteries
- Adjustable 10 to 75 amps of charge current
- Up to 450 amps of jump start amperage

Optional air cooler with separator. Removes moisture, fully integrated. For tools, blasters, plasma cutting, and gouging. Effective when temperatures are above freezing and easily bypassed when below freezing.

Size and weight advantage. By adding just 14 inches of length to a Trailblazer, the Air Pak occupies up to 50 percent less truck bed space and up to 25 percent less axle weight compared to using a separate engine-driven air compressor.

Cutting and gouging advantage. Ample generator power for plasma cutters and weld power for Carbon Arc gouging, plus integrated air compressor delivers air for both.

EXCLUSIVE! Capable of running air tools at idle. Reduce noise and fuel consumption by running impacts, decking punches, and many other types of air tools at idle speed.

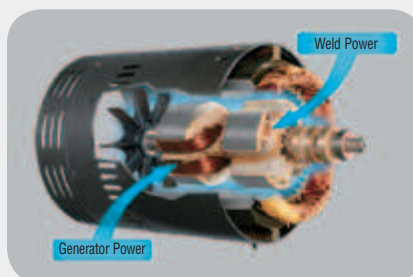
Industry-leading 13,000 watts of peak power is voltage regulated and independent of weld settings. 11,000 watts of continuous power.



Air Compressor

Rotary screw air compressor

- **IMPROVED!** Delivers up to 31 CFM and 160 PSI of air with no storage tank
- Runs many tools at idle speed
- Gives 100 percent deliverable air
- Compressor is warranted by Miller for three years
- Air outputs rated at an industry high 40° C (104° F)
- Front panel air pressure adjustment (80 to 160 PSI)
- Screw compressor is designed for more than 30,000 hours of operation
- Automatic overpressure shutdown with indication



Independent weld and generator.

Trailblazer Series has the only truly independent weld and generator system — meaning no interaction between tools and the welding arc, and it has the strongest generator power while welding.

*Additional models are available — visit MillerWelds.com or your distributor.

**Battery charge/jump cables (#300 422) must be ordered separately.

Heavy Industrial



Processes

- AC/DC Stick (SMAW)
- MIG (GMAW)¹
- Flux-Cored (FCAW)¹
- AC²/DC³ TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 4.8 mm [3/16 in.] carbons, capable 6.4 mm [1/4 in.] carbons using integrated air compressor)
- Battery Charger/Jump Start

¹With wire feeder.

²With Dynasty® 200 Series or HF-251 (non-critical).

³Two-piece TIG torch recommended.

Gasoline Engine

Kohler CH 750: 30 HP at 3600 RPM V-twin-cylinder, four-cycle, overhead valve, industrial, air-cooled

Note: Engine is warranted separately by engine manufacturer.

Most Popular Accessories

- SuitCase® X-TREME™ 12VS
- Spoolmatic® 30A Aluminum Spool Gun / WC-24 Control #130 831 / #137 549
- Dynasty® 200 Series
- Spectrum® Plasma Cutters 625 X-TREME™ #907 531 875 #907 390-01-1
- Adapter Cord, Full KVA #300 517
- Remote Oil Drain/Filter Kits
- Protective Cage with Cable Holders #300 473
- Protective Cover #300 379
- Air Cooler with Separator #300 420
- 7.6 m (25-ft.) Battery Charge/Jump Cables with Plug #300 422
- Engine Tune Up Kits are available from your Miller parts distributor.

Gasoline	Stock Number*	Welding Mode	Process	Amperage/Voltage Ranges	Rated Weld Output at 32 V 40°C (104°F)	Single-Phase Generator Power at 40°C (104°F)	Dimensions	Net Weight
	(#907 549**) Kohler with GFCI and Electric Fuel Pump	CC/DC	Stick/TIG	10-300 A	280 A at 100% Duty Cycle	Peak: 13,000 watts Continuous: 11,000 watts	H: 711 mm (28 in.) H: 876 mm (34.5 in.) to top of exhaust W: 508 mm (20 in.) D: 1514 mm (59.625 in.)	350 kg (771 lb.)
	(#907 549-001**) Kohler	CV/DC	MIG/FCAW	13-35 V, 350 A	300 A at 100% Duty Cycle 350 A at 60% Duty Cycle			
	(#907 549-002**) Kohler with Cooler/Separator	CC/AC	TIG/Stick	10-225 A	225 A at 60% Duty Cycle			

Air Compressor	Features	Free Air Delivery at 3600 RPM	Free Air Delivery at 3000 RPM	Free Air Delivery at 2400 RPM (Idle)	Working Pressure Constant	Duty Cycle	Oil Capacity
By Miller	Rotary screw with electric clutch for on/off. Oil change intervals 500 hours. Life expectancy 30,000 hours.	0.88 m³/min. (31 CFM)	0.79 m³/min. (28 CFM)	0.62 m³/min. (22 CFM)	80–160 PSIG	100%	1.7 L (1.75 qt.)



Bobcat™ 250 Diesel

See Literature No. ED/4.34

Rugged engine drive is great for Stick and Flux-Cored welding and is designed for maintenance/repair operations, construction, farm/ranch, and generator use.



Versatile AC and DC Stick/TIG plus Wire capabilities provide quality welds on all types of metals. DC is smooth and easy to run while AC Stick is used when arc blow occurs.

Note: AC TIG requires Dynasty 200 Series or HF-251 (non-critical).

Tri-Cor™ technology is a redesigned stabilizer with added iron core for smoother weld output, improved performance and decreased spatter with 7018 electrodes. All without sacrificing the excellent performance with 6010 electrodes.

Accu-Rated™ 11,000 watts of usable peak power is delivered for a minimum of 30 seconds. Accu-Rated means peak power is usable for maximum generator loads such as plasma cutting, Millermatic® MIG welders and motor starting. Accu-Rated peak power beats the competition's very short-duration peak or surge power. Use your peak power, it's more than a number.

Idle lock switch allows engine to be started at idle to extend engine life.

*Additional models are available – visit MillerWelds.com or your distributor.

Industrial / Heavy Industrial



Processes

- AC/DC Stick (SMAW) • MIG (GMAW)¹
- Flux-Cored (FCAW)¹
- AC²/DC TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 4.8 mm [3/16 in.] carbons, capable 6.4 mm [1/4 in.] carbons)

¹With voltage-sensing feeder only.

²With Dynasty® 200 Series or HF-251 (non-critical).

Diesel Engine

EPA Tier 4 Compliant! Kubota D722:

19 HP at 3600 RPM

Three-cylinder, industrial, liquid-cooled

Note: Engine is warranted separately by engine manufacturer.

Most Popular Accessories

- 1-Phase Full KVA Plug Kit #119 172
- Dynasty® 200 Series
- Spectrum® Plasma Cutters
 - 375 X-TREME™ #907 339
 - 625 X-TREME™ #907 404
- Protective Cage #300 052
- Protective Cover
- HWY-1000 Trailer #195 013

	Stock Number*	Welding Mode	Process	Amp/Volt Ranges	Rated Output at 40°C (104°F)	Single-Phase Generator Power at 40°C (104°F)	Dimensions	Net Weight
Diesel	#907 547 Kubota with GFCI #907 547-001 Kubota w/Std. Rcpt.	CC/AC	Stick/TIG	40–100 A, 60–140 A, 80–200 A, 100–275 A	250 A at 25 V, 100% Duty Cycle 275 A at 25 V, 60% Duty Cycle	Peak: 11,000 watts Continuous: 9500 watts	H: 762 mm (30 in.) H: 870 mm (34.25 in.) to exhaust top W: 508 mm (20 in.) D: 1321 mm (52 in.)	318 kg (700 lb.)
		CC/DC						
		CV/DC	MIG/FCAW	17–22 V, 20–28 V	250 A at 28 V, 100% Duty Cycle 275 A at 25 V, 60% Duty Cycle			

Trailblazer® 302 Diesel

See Literature No. ED/4.77

High output, unbeatable arc performance, and the independent weld and generator system make this engine drive perfect for construction, fabrication, and maintenance/repair operations.



Independent weld and generator.

Trailblazer Series has the only truly independent weld and generator system — meaning no interaction between tools and the welding arc, and it has the strongest generator power while welding.

Superior arc performance

- Four preset DIG settings (Stick)
- Adaptive Hot Start™ (Stick)
- Excellent MIG/FCAW arc performance
- Lift-Arc™ TIG with Auto-Crater™ and Auto-Stop™

Accu-Rated™ 11,000 watts of usable peak power cranks out enough power for most applications: job site, farm/ranch, or home. 9500 watts of continuous power.

Automatic start at idle idles engine immediately when started to extend engine life and reduce fuel use and noise.

*Additional models are available – visit MillerWelds.com or your distributor.

Heavy Industrial



Processes

- AC/DC Stick (SMAW) • MIG (GMAW)¹
- Flux-Cored (FCAW)¹
- AC²/DC³ TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 4.8 mm [3/16 in.] carbons, capable 6.4 mm [1/4 in.] carbons)

¹With wire feeder.

²With Dynasty® 200 Series or HF-251.

³Two-piece TIG torch recommended.

Diesel Engine

EPA Tier 4 Compliant! Kubota D722:

19 HP at 3600 RPM

Three-cylinder, industrial, liquid-cooled

Note: Engine is warranted separately by engine manufacturer.

Most Popular Accessories

- 1-Phase Full KVA Plug Kit #119 172
- Dynasty® 200 Series
- Spectrum® Plasma Cutters
 - 625 X-TREME™ #907 404
 - 875 #907 390-01-1
- Protective Cage #300 052
- Protective Cover
- HWY-1000 Trailer #195 013

	Stock Number*	Welding Mode	Process	Amp/Volt Ranges	Rated Output at 40°C (104°F)	Single-Phase Generator Power at 40°C (104°F)	Dimensions	Net Weight
Diesel	#907 548 Kubota with GFCI #907 548-001 Kubota w/Std. Rcpt.	CC/AC	TIG/Stick	10–225 A	200 A at 25 V, 60% Duty Cycle	Peak: 11,000 watts Continuous: 9500 watts	H: 762 mm (30 in.) H: 870 mm (34.25 in.) to exhaust top W: 508 mm (20 in.) D: 1321 mm (52 in.)	327 kg (720 lb.)
		CC/DC	Stick/TIG	10–300 A	280 A at 25 V, 100% Duty Cycle			
		CV/DC	MIG/FCAW	13–35 V, 10–325 A	300 A at 25 V, 100% Duty Cycle			

Big Blue® 300 Pro

See Literature No. ED/5.21

Reliable low speed diesel with outstanding arc performance. Ideal for construction, fabrication or process piping professionals.



**Legendary Big Blue Reliability
with Professional Quality Arc!**

Meter maintenance displays:

- Fuel gauge
- Hour meter function
- Oil change interval
- High coolant temperature and low oil pressure shutdown indicators.
- Low fuel shutdown — engine shuts down before system runs out of fuel, making restarts easy.

The Vault — ultimate control board reliability. Housed in a sealed vault, sealed connections are made through watertight plugs that make these components impenetrable to dust and moisture.



Tailored arc control (DIG) allows the arc characteristics to be changed for specific applications and electrodes. Smooth running 7018 or stiffer, more penetrating 6010.

Improved arc starts and arc stability for excellent performance in all applications.

Easy to use — simple controls make it easy to set-up and weld.

Quiet. Only 72.2 dba (97 Lwa) at maximum output. Improves work site communication and safety.

Compact design fits sideways in a standard pickup.

Optional stainless steel package available.

CSA, IEC and NEMA compliant.

Heavy Industrial



Processes

- Stick (SMAW)
- MIG (GMAW)
- Flux Cored (FCAW)
- TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 4.8 mm [3/16 in.] carbons, capable 6.4 mm [1/4 in.] carbons)

Diesel Engine

EPA Tier 4i Compliant Choices!

CAT C1.5: 21.7 HP at 1850 RPM

Three-cylinder, industrial, liquid-cooled

Kubota V1505: 20.2 HP at 1850 RPM

Four-cylinder, industrial, liquid-cooled

Mitsubishi S4L2: 24.4 HP at 1850 RPM

Four-cylinder, industrial, liquid-cooled

Note: Engines are warranted separately by engine manufacturer.

Most Popular Accessories

- SuitCase® X-TREME™ 12VS
- SuitCase® 12RC
- Dynasty® 200 Series
- Wireless Remote Hand Control
- Wireless Antenna Kit
- Spectrum® 875
- Adapter Cord, Full KVA
- Single-Phase Full KVA Plug Kit
- Protective Cover
- HWY-224 Trailer
- PRHC-14 Remote
- Engine Filter Kits
- CAT
- Mitsubishi
- Kubota

#300 430

#300 749

#300 517

#119 172

#195 301

#043 805

#195 511

#246 987

#252 782

#253 901

*Additional models are available – visit MillerWelds.com or your distributor.

Diesel	Stock Number*	Welding Mode	Amp/Volt Ranges	Rated Output at 40°C (104°F)	Single-Phase Generator Power at 40°C (104°F)	Dimensions	Net Weight
	(#907 144) CAT	CC/DC	20 – 410 A	300 A at 32 V, 60% Duty Cycle	Peak: 12,000 watts Continuous: 10,000 watts	H: 813 mm (32 in.) W: 667 mm (26.25 in.) D: 1422 mm (56 in.)	Caterpillar 499 kg (1100 lb.) Kubota 472 kg (1040 lb.) Mitsubishi 491 kg (1083 lb.)
	(#907 144-01-1) CAT with 120 V Block Heater						
	(#907 144-02-1) CAT with Stainless Steel/120 V Block Heater	CV/DC	14 – 40 V				
	(#907 472) Mitsubishi						
(#907 472-001) Mitsubishi with 120 V Block Heater							





Big Blue® 350X PipePro® System

Designed exclusively for transmission pipeline work, the system offers a complete welding solution. With Stick welding capabilities — as well as MIG/FCAW welding capabilities to meet high-strength steel requirements — it is ideal for the most demanding pipeline jobs.



Please see MillerWelds.com/pipepro for more complete information and product spec sheets.

BERNARD® PipePro Dura-Flux™

- Features a lightweight, rotatable Hi-Viz™ neck that matches the SuitCase X-TREME HD DS performance, resulting in optimal arc characteristics.
- Power cable with internal trigger leads provides better weld-joint access.
- Replaceable liner makes maintenance simple.
- Comfortable handle with dual schedule switch optimizes wire feed speed and reduces user fatigue.

HOBBART BROTHERS® Fabshield® 79T8/79T8Ni2

- Self-shielded flux-cored tubular wires specifically designed for transmission pipeline applications.
- Fast-freezing, easy-to-remove slag decreases time spent clearing weld beads.
- All-position welding, excellent vertical-down performance, reduces fatigue and weld cycle time.
- Four 10-lb vacuum-packed spools per jobsite-friendly bucket, 490 kg (1080 lb) per pallet.
- Ideal for multipass welding on deep-groove pipe weld butt joints.
- 79T8 typical applications are on X70 grade pipe and below.
- 79T8Ni2 typical applications are on X80 grade pipe.

Miller Big Blue 350X PipePro

- Easy arc starts and better arc control provide improved arc performance to produce more consistent welds.
- Enhanced MIG/FCAW arc control for best in class performance.
- Quieter — 40% less noise improves work site communication and safety.
- The Vault — ultimate control board reliability. A sealed aluminum case protects the circuit board from dust, dirt, moisture and heat.
- 12,000 watts of peak single-phase auxiliary power runs multiple jobsite tools.
- Compact size and weight optimizes truck space.
- 20% greater fuel efficiency.
- Tier 4i Compliant — meets tough EPA emission requirements.
- Auto Remote Sense™ (ARS) — eliminates confusion of a remote/panel switch.
- LINE-X® cover is tough to provide superior impact, corrosion and abrasion protection.
- Optional stainless steel package available.
- CSA, IEC and NEMA compliant.

Miller SuitCase® X-TREME™ 8HD DS

- Voltage-sensing, heavy-duty wire feeder features numerous performance-driven benefits.
- High-torque motor can handle large or small diameter flux-cored wires with ease.
- Improved motor control allows for incredible precision and arc control.
- Dual schedule operation when connected to PipePro Dura-Flux gun, fixed 12% reduction in wire feed in Schedule B.

Miller Wireless Remote Hand Control

- Completely cordless design increases project productivity, saves money and improves operator safety.
- Extends remote welding control range to 91.4 m (300 ft) for jobsite mobility.
- Eliminates costly cord failures.
- Improves weld quality with precise operator control.
- Belt clip keeps the remote secure and accessible.

Heavy Industrial



Processes

- Stick (SMAW) • MIG (GMAW)
- Flux Cored (FCAW) • TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 6.4 mm [1/4 in.] carbons)

Diesel Engine

EPA Tier 4i Compliant!

CAT C1.5T: 24.5 HP at 1850 RPM
Turbo-charged three-cylinder, industrial, liquid-cooled

Mitsubishi S4L2: 24.4 HP at 1850 RPM
Four-cylinder, industrial, liquid-cooled

Note: Engine is warranted separately by engine manufacturer.

Big Blue 350X PipePro System

Consists Of (ordered separately)

- Big Blue® 350X PipePro® engine drive
- SuitCase® X-TREME™ 8HD DS wire feeder #300 594-003
- Wireless Remote Hand Control and 14-pin receiver #300 430
- Wireless Antenna Kit #300 749
- Bernard® PipePro® Dura-Flux™ gun with 3 m (10 ft) cable with 1.6 mm (1/16 in.) liner #301 011
- Hobart Brothers Fabshield®
1.6 mm (1/16 in.) 79T8 #S228519-V32
1.6 mm (1/16 in.) 79T8Ni2 #S228819-V32
2.0 mm (5/64 in.) 79T8 #S228525-V32
2.0 mm (5/64 in.) 79T8Ni2 #S228825-V32

Most Popular Accessories

Big Blue 350X PipePro

- 1-Phase Full KVA Plug Kit #119 172
- Engine Filter Kit #244 711
(includes air, oil and fuel filters)

SuitCase X-TREME 8HD DS Feeder

- V-Knurled Drive Rolls
1.6 mm (1/16 in.) #079 609
2.0 mm (5/64 in.) #079 610

PipePro Dura-Flux Gun

- Quik Tip™ Contact Tips
1.6 mm (1/16 in.) #T1116
2.0 mm (5/64 in.) #T1564
- Hi-Viz™ Quik Tip™ Insulator #7010062
- Neck (70° x R2 in) #7010068
- Neck Liner
1.6 mm (1/16 in.) #QJL-116
2.0 mm (5/64 in.) #QJL-564
- Cable Liner
1.6 mm (1/16 in.) #44215
2.0 mm (5/64 in.) #44315

Model/Stock Number	Welding Mode	Process	Amp/Volt Ranges	Rated Output at 40°C (104°F)	Single-Phase Generator Power at 40°C (104°F)	Dimensions	Net Weight
Big Blue 350X PipePro Engine Drive only (#907 530) CAT Turbo (#907 527) Mitsubishi	CC/DC	TIG	20-400 A	400 A at 26 V, 40% Duty Cycle 350 A at 24 V, 100% Duty Cycle	Peak: 12,000 watts Continuous: 10,000 watts	H: 813 mm (32 in.) W: 667 mm (26-1/4 in.) D: 1422 mm (56 in.)	Caterpillar 470 kg (1037 lb.) Mitsubishi 462 kg (1018 lb.)
		Stick	20-400 A	350 A at 34 V, 60% Duty Cycle 325 A at 33 V, 100% Duty Cycle			
	CV/DC	MIG	14-40 V	350 A at 31.5 V, 100% Duty Cycle			
Model/Stock Number	Input Power	Input Welding Circuit Rating	Wire Feed Speed	Wire Type and Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
SuitCase X-TREME 8HD DS Feeder only (#300 594-003)	Operates on open-circuit voltage and arc voltage: 14-48 VDC/110 Max. OCV	330 A at 60% Duty Cycle	Low Range 0.65-5.2 m/min (25-200 IPM) High Range 4.5-19.8 m/min (175-780 IPM) dependent on arc voltage	Solid Wire 0.6-1.6 mm (.023-.062 in.) Flux Cored 0.8-2.0 mm (.030-.078 in.)	203 mm (8 in.), 6.4 kg (14 lb)	H: 324 mm (12-3/4 in.) W: 184 mm (7-1/4 in.) D: 457 mm (18 in.)	14 kg (30 lb)

Big Blue® 400 X

See Literature No. EDX/10.1



The Big Blue 400 X is ideal for pipeline contractors, rental or fleet managers who value reliability, ease of service, and long life at an economical price.

Simple to set controls require no elaborate procedure — just select process and weld!

Tailored Arc Control (DIG) allows the arc characteristics to be changed for specific applications and electrodes. Smooth running 7018 or stiffer, more penetrating 6010 electrodes.

Auto Remote Sense (ARS) detects if a remote control is plugged into the 14-pin receptacle and eliminates confusion of the remote/panel switch.

Lift-Arc starts provide DC TIG arc starting without the use of high frequency.

Low OCV is a simple design that reduces the open-circuit voltage to 41 V when the welding machine is not in use. Does not affect arc starts.

The Vault — ultimate control board reliability. Hardened solid state control technology, housed in a sealed vault. The vault's sealed connections are made through watertight plugs that make these components impenetrable to dust and moisture.



Features: Stick, Lift-Arc TIG, and constant voltage for Flux Cored wire. Other features include Arc Control/DIG, automatic engine shutdowns, spark arrestor muffler, remote oil drain, fuel gauge, and hourmeter.

CATERPILLAR diesel engine designed to operate over 10,000 hours before the first basic overhaul. Backed by worldwide support and service.

Low speed industrial diesel engine (1800 RPM) offers long service intervals, long engine life and low operating expenses.

Quiet at only 96 Lwa (71 db at 4 m) at maximum output. Improves work site communication and safety.

Marine grade ignition switch is sealed and protected from water and dust. One switch controls engine operation.

Thermal overload protection prevents machine damage if the duty cycle is exceeded or airflow is blocked.

High efficiency: Three-phase, rotating field welding generator requires less fuel and horsepower to operate

IEC and NEMA compliant for welders. Degree of protection by enclosure IP23.

Industrial



Processes

- Stick (SMAW)
- Flux Cored (FCAW)
- Lift-Arc DC TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) through 6.4 mm (1/4 in.) carbons

Diesel Engine

Caterpillar C1-5

3-cylinder, industrial, liquid-cooled

Note: Engine is warranted separately by engine manufacturer.

Most Popular Accessories

- Digital Weld Meter kit #195 289
- RHC-14 #129 340
- Protective cover #195 301
- SuitCase X-TREME 12 VS #195 500
- Wireless Remote Hand Control #300 430
- Wireless Antenna Kit #300 749
- Engine Filter Kit #246 987

Stock Number	Weld Mode	Weld Output Range	Weld Output Rated at 40°C (104°F)	Max. Open Circuit Voltage	Generator Power Output Rated at 40°C (104°F)	Shipping Weight
(#907 143) CE (#907 143-001) CE with meters	CV/DC (Flux Cored)	14-40 V	400 A, 23 VDC, 30% Duty Cycle 300 A, 32 VDC, 60% Duty Cycle	73 OCV (41 VRD)	Peak: 12,000 watts Continuous: 10,000 watts Single-phase, 110/220 VAC, 91/46 A, 60 Hz	506.2 kg (1116 lb)
	CC/DC	20-40 V				



Big Blue® 500X Eco Pro

See Literature No. EDX/5.3



Superior arc performance

- Factory-preset DIG settings (Stick)
- Hot Start™ (Stick)
- Lift-Arc™ TIG with Auto-Stop™ and Crater-out

An Eco-nomical and Eco-friendly alternative.

Designed to be up to 23% more fuel-efficient during typical welding operations than other models. Output of the engine matches the power required, saving operating cost and the environment. The fuel savings really add up when running day-after-day, while producing fewer carbon emissions. Meets tough EPA Tier 4i compliance standards.

Compact package. The Big Blue 500X Eco Pro is up to 78% smaller and 72% lighter than other models — taking less room and reducing transportation costs.

Heavy Industrial



Most Popular Accessories

- SuitCase™ X-TREME
- RHC-14 Remote Hand Control
- Canvas cover #195 301
- HWY-224 Trailer #043 805
- OFR-224 Trailer #034 802
- Weld Meters #195 289
- Engine Filter Kit #252 782

Stock Number	Weld Mode	Weld Output Range	Weld Output Rated at 40°C (104°F)	Max. Open-Circuit Voltage	Generator Power Output Rated at 40°C (104°F)	Sound Levels at Rated Output, 7 m (23 ft)	Dimensions	Net Weight (without fuel)*
(#907 427) (#907 427 001) w/meters and spark arrestor	CC/DC (Stick/TIG)	20 - 450 A	300 A, 32 VDC, 100% Duty Cycle 450 A, 30 VDC, 40% Duty Cycle	72	5500 Watts Peak 4000 Watts Continuous Single-phase, 110/220 VAC, 36/18 A 50/60 Hz	71.5 dB (96 Lwa) Economy Mode	H: 813 mm (32 in.) W: 667 mm (26-1/4 in.) D: 1422 mm (56 in.)	Net: 494 kg (1090 lb) Ship: 517 kg (1140 lb)
	CV/DC (FCAW)	14 - 40 V	300 A, 28 VDC, 100% Duty Cycle 450 A, 30 VDC, 40% Duty Cycle					
	CC/DC (CAC-A)	40 - 500 A	400 A, 36 VDC, 100% Duty Cycle 500 A, 30 VDC, 40% Duty Cycle	72		81.5 dB (106 Lwa) Power Mode		

Meets NEMA and IEC output ratings.

*Additional 43 kg (95 lb) when fuel tank is full.

Engine Brand	Features	HP	Type	Engine Speeds	Fuel Capacity	Oil Capacity	Coolant Capacity	Automatic Engine Shutdown
Mitsubishi S4L2	EPA Tier 4i EPA certified, indirect-injected liquid-cooled engine. Right side service access with service intervals of 500 hrs for oil and filters.	35	4-cylinder, industrial liquid-cooled, diesel	Idle: 1500 RPM Weld: 1800 RPM Gouge: 3000 RPM	43.5 L (11.5 gal)	6 L (6.3 qt)	9.5 L (10 qt)	Low Oil Pressure, High Coolant Temperature, Low Fuel Level

Big Blue® 500 X and 600 X

CC or CC/CV
See Literature No. ED/10.11



Meter maintenance displays:

- Hour meter function
- Oil change interval
- High coolant temperature and low oil pressure shutdowns
- Low fuel shutdown — engine shuts down before system runs out of fuel, making restarts easy

Designed and built with reliable, heavy duty industrial components to allow operation in remote locations, without downtime.

Enclosed robust case design protects internal components from impact, allows air flow to cool and prolong the life of the engine, and reduces sound levels.

Hot Start™ makes it easy to start all types of stick electrodes

Arc-Drive enhances Stick welding, especially on pipe, by focusing the arc and preventing the electrode from going out.

5500-watt peak AC power independent of weld settings means no interaction between tools and welding arc.

Quick and easy maintenance with single-side access to oil level check, oil fill, oil filter, fuel filter and air cleaner.

Heavy Industrial



Diesel Engine

500 X – Deutz D 2011 L03i

3-cylinder, industrial, air/oil-cooled

500 X – Perkins 404D-22

4-cylinder, industrial, liquid-cooled

600 X – Deutz F3L912

3-cylinder, industrial, air-cooled

600 X – Deutz F4L2011

4-cylinder, industrial, air/oil-cooled

Note: Engines are warranted separately by engine manufacturer.

Most Popular Accessories

- Engine Filter Kits
 - Deutz 2011 #246 988
 - Deutz 912 #246 989
 - Perkins 404 #246 985

CC Models

- RHC-3GD34A Remote Hand Control #041 122

CC/CV Models

- SuitCase™ X-TREME
- SuitCase™ 8RC or 12RC with Remote Voltage Control
- RHC-14 Remote Hand Control #129 340
- Wireless Remote Hand Control #300 430
- Wireless Antenna Kit #300 749

All Models

- Canvas cover #194 683
- HWY-224 Trailer #043 805
- OFR-224 Trailer #034 802
- RCT-224 trailer #194 875
- Weld Meters #195 131
- Polarity Switch #043 942
- Roll Cage #194 918
- Spark Arrestor #195 012
- Vandalism Lockout Kit #195 118
- Cold Weather Starting Aids available for all units

Model	Stock Number	Description	Process	Amp/Volt Ranges	Rated Output at 40°C (104°F)	Generator Output Rated at 40°C (104°F)	Shipping Weight		
Big Blue 500 X CC	(#907 185)	Deutz F3L2011 with engine gauges and dry battery	DC Stick/TIG	55-500 A	400 A at 36 V (14.4 kW), 100% Duty Cycle 450 A at 38 V (17.1 kW), 60% Duty Cycle 500 A at 30 V (15 kW), 40% Duty Cycle	Peak: 5500 watts Continuous: 4000 watts, 34/17 A, 120/240 VAC, 50/60 Hz while welding	907 185: 728 kg (1604 lb) 907 187: 732 kg (1614 lb)		
	(#907 187)	Perkins 404.22 with engine gauges and dry battery, CE							
Big Blue 500 X CC/CV	(#907 184)	Deutz F3L2011 with engine gauges and dry battery	DC Stick/TIG/MIG/FCAW	20-550 A 14-40 V					907 184: 751 kg (1655 lb) 907 186: 726 kg (1600 lb)
	(#907 186)	Perkins 404.22 with engine gauges and dry battery							
Big Blue 600 X CC	(#907 193)	Deutz F4L2011 with engine gauges and dry battery	DC Stick/TIG	65-600 A	500 A at 40 V (20 kW), 100% Duty Cycle 550 A at 34 V (18.7 kW), 60% Duty Cycle 600 A at 30 V (18 kW), 40% Duty Cycle				Deutz: 769 kg (1695 lb) Perkins: 762 kg (1680 lb) Deutz F4L: 826 kg (1820 lb)
	(#907 189)	Deutz F3L912 with engine gauges and dry battery							
Big Blue 600 X CC/CV	(#907 192)	Deutz F4L2011 with engine gauges and dry battery	DC Stick/TIG/MIG/FCAW	20-550 A 14-40 V					907 192: 769 kg (1696 lb) 907 188: 1862 kg (1862 lb)
	(#907 188)	Deutz F3L912 with engine gauges and dry battery							



Big Blue® 450X Duo CST™

See Literature No. ED/5.5

Durable dual-operator welder/generator, delivers proven CST 280 Stick/TIG performance maximizing productivity and efficiency. Two separate outputs powered by one low-speed diesel engine delivers 280 amps of output per operator. Fuel efficient and quiet operation makes it ideal for any jobsite.



NEW!

Two superior arcs in one compact package.

Save fuel, reduce maintenance costs and increase productivity.

Simple-to-operate process selector knob automatically sets proper DIG setting on E6010 and E7018 electrodes providing superior Stick performance.

Lift-Arc™ start for TIG starts without the use of high frequency.

Remote amperage control permits the use of standard and wireless amperage control devices.

Quiet operation. At just 72.2 dB at 7 m (23 ft.) it's quieter than most single-operator models, improving jobsite communication and safety.

Low-speed Mitsubishi diesel engine.

Heavy Industrial



Processes

- Stick (SMAW) • TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 4.8 mm [3/16 in.] carbons, capable 6.4 mm [1/4 in.] carbons)

Diesel Engine

EPA Tier 4i Compliant!

Mitsubishi S4L2: 24.4 HP at 1850 RPM Four-cylinder, industrial, liquid-cooled

Note: Engine is warranted separately by engine manufacturer.

Most Popular Accessories

- Wireless Remote Hand Control/ Wireless Antenna Kit #300 430 / #300 749
- Spectrum® 875
- Adapter Cord, Full KVA #300 517
- Single-Phase Full KVA Plug Kit #119 172
- Protective Cover #195 301
- HWY-224 Trailer #043 805
- Engine Filter Kit #252 782

Diesel	Stock Number	Welding Mode/Process	Output Mode	Amperage Range	Rated Output at 50° C (122° F)	Single-Phase Generator Power at 50° C (122° F)	Dimensions	Net Weight
	(#907 473) Mitsubishi	CC/DC (Stick/TIG)	Separate (Dual Outputs)	5 – 280 A	200 A at 28 VDC, 100% Duty Cycle	Peak: 12,000 watts, Continuous: 10,000 watts 120/240 VAC, 60 Hz	H: 813 mm (32 in.) W: 667 mm (26.25 in.) D: 1422 mm (56 in.)	483 kg (1064 lb.)
			Combined: (Paralleled)	10 – 450 A	400 A at 28 VDC, 100% Duty Cycle			

Big Blue® 700X Duo Pro

See Literature No. ED/5.6

A complete multiprocess and multioperator welder/generator in one rugged package. Up to 400 amps of output per operator can be paralleled with a single switch to provide up to 800 amps of power.



NEW!

Two independent pipe quality arcs in one compact package.

Two independent generators provide up to 32,000 watts of power.

Multiprocess CC/CV capability provides independent operator controls and the best Stick, MIG, Flux-Cored and TIG performance available with no interaction.

Easy arc starts and better arc control for best in class performance.

Independent remote control connections allow the use of standard and wireless volt/amperage control devices for each operator.

Quiet operation. At just 68 dB at idle or 76 dB at 7 m (23 ft.) at full load, it's quieter than many single-operator models, improving jobsite communication and safety.

Big Blue® 350X PipePro® System compatible.

Smaller, lighter, quieter, and smoother running than competitive models with comparable output.

Standard features include oil pan heater, intake manifold heater, output paralleling switch and automatic idle.

Heavy Industrial



Processes

- Stick (SMAW) • MIG (GMAW)
- Flux-Cored (FCAW) • TIG (GTAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 9.5 mm [3/8 in.] carbons)

Diesel Engine

EPA Tier 4i Compliant!

Deutz D2011L04i: 48.6 HP at 1800 RPM Four-cylinder, industrial, air/oil-cooled

Note: Engine is warranted separately by engine manufacturer.

Most Popular Accessories

- SuitCase® X-TREME™ 8VS/12VS
- Wireless Remote Hand Control/ Wireless Antenna Kit #300 430 / #300 749
- Spectrum® 875
- Adapter Cord, Full KVA #300 517
- Full KVA Plug Kit: 1-Phase #119 172 3-Phase #254 140
- Protective Cover #194 683
- HWY-224 Trailer #043 805
- Engine Filter Kit #246 988

Diesel	Stock Number	Welding Mode/Process	Output Mode	Amp Range	Rated Output at 40°C (104°F)	Generator Power at 40°C (104°F)	Dimensions	Net Weight
	(#907 520) Deutz	CC/DC (Stick/TIG)	Separate (Dual Outputs)	20 – 400 A	300 A at 32 VDC, 100% Duty Cycle 400 A at 36 VDC, 40% Duty Cycle	Single-Phase: 5500 watts peak/ 4000 watts continuous	H: 1092 mm (43 in.) W: 724 mm (28.5 in.) D: 1654 mm (65.125 in.)	784 kg (1729 lb.)
	(#907 520-001) Deutz with 3-Phase Power and Parallel Switch		Combined: (Paralleled)	40 – 800 A	500 A at 40 VDC, 100% Duty Cycle 700 A at 28 VDC, 60% Duty Cycle	Additional Generator Power Three-Phase: 27,000 watts peak/ 20,000 watts continuous or Single-Phase: 19,000 watts peak/ 12,000 watts continuous		
		CV/DC (MIG/FCAW)	Separate (Dual Outputs)	14 – 40 V	300 A at 29 VDC, 100% Duty Cycle 400 A at 34 VDC, 40% Duty Cycle			
			Combined: (Paralleled)	14 – 40 V	500 A at 39 VDC, 100% Duty Cycle 700 A at 28 VDC, 60% Duty Cycle			

Engine Driven

Big Blue® Air Pak™

See Literature No. ED/10.5

Designed for heavy construction or maintenance and repair contractors, this all-in-one multiprocess welder/generator/compressor and optional AC weld/battery charge/jump-start package sets the standard for power and performance.



Deluxe model shown without the Vandalism Lockout Kit.

Meter maintenance displays

- Fuel gauge
- Hour meter function
- Oil change interval
- High coolant temperature, low oil pressure and low fuel shutdowns

Ingersoll-Rand ultra-reliable industrial rotary screw air compressor. Belt-driven with automatic belt tensioner.

Independent compressor controls include an on/off switch for applications not requiring compressed air.

Turbocharged engine provides superior performance in high altitudes.

Quiet. Only 70 dB (95 Lwa) at idle and 79 dB (104 Lwa) at maximum output.

Hot Start™ makes it easy to start all types of Stick electrodes.

Arc-Drive™ enhances Stick welding, especially on pipe, by focusing arc and preventing electrode from going out.

Optional battery charge/jump start for 12 and 24 volt batteries.

Note: Option includes AC weld.

CSA, IEC and NEMA compliant.

* Comes complete with Engine Gauges, Auto Idle and 12 Volt Intake Manifold Heater.

** Cold Weather Model – Comes complete with Engine Gauges, Auto Idle, Weld Meters, Battery Lockout/Tagout Disconnect Switch, 12 Volt Intake Manifold Heater and 120 Volt Oil Pan Heater.

*** Deluxe Model – Comes complete with Engine Gauges, Auto Idle, Weld Meters, Battery Lockout/Tagout Disconnect Switch, 12 Volt Intake Manifold Heater, 120 Volt Oil Pan Heater, Vandalism Lockout Kit, AC/DC/Battery Charge/Jump-Start Switch and Optional Generator Power.

Heavy Industrial



Processes

- AC/DC Stick (SMAW) • MIG (GMAW)
 - Flux-Cored (FCAW)
 - AC/DC TIG (GTAW)
 - Air Carbon Arc Cutting and Gouging (CAC-A) (rated 12.7 mm [1/2-in.] carbons)
 - Stud
 - Battery Charger/Jump Start¹
- ¹Deluxe model only.
²Deluxe model with HF-251, or all models with Dynasty® 200 Series.

Diesel Engine

EPA Tier 4i Compliant!

Deutz TD2011L04:

63.4 HP at 1850 RPM
Turbo-charged, 4-cylinder, industrial, liquid-cooled

Note: Engine is warranted separately by engine manufacturer.

Most Popular Accessories

- Desiccant Air Dry System #195 117
Eliminates moisture in the air stream and prevents air line freeze-ups in cold climates.
- Engine Filter Kit #246 988
- Compressor Filter Kit #246 991

Diesel	Stock Number	Welding Mode	Amp/Volt Ranges	Weld Output Rated at 40°C (104°F) NEMA Amperage and Voltage	Single-Phase Generator Power at 40°C (104°F)	Dimensions	Net Weight
	#907 062)* Deutz #907 062-04-1)** Deutz, Cold Weather Model #907 062-07-1)*** Deutz, Deluxe Model	CC/DC	20–750 A	600 A at 44 V (26.4 kW), 40% Duty Cycle 550 A at 42 V (23.1 kW), 60% Duty Cycle 500 A at 40 V (20 kW), 100% Duty Cycle	Peak: 5500 watts Continuous: 4000 watts Additional Generator Power for Deluxe Model (While NOT Welding)	H: 1092 mm (43 in.) W: 724 mm (28.5 in.) D: 1765 mm (69.5 in.)	Base and Cold Weather Models 876 kg (1931 lb.) Deluxe Model 887 kg (1956 lb.)
		CV/DC	14–40 V	500 A at 40 V (20 kW), 100% Duty Cycle	Three-Phase: 20,000 watts or Single-Phase: 12,000 watts		
		CC/AC (Deluxe Model Only)	20–575 A	400 A at 36 V (14.4 kW), 100% Duty Cycle			
		Battery Charge/Jump Start (Deluxe Model Only)	12/24 V	750 A, 12 V, Jump-Start 750 A, 24 V, Jump-Start			
Air Compressor	Features	Free Air Delivery at 1850 RPM	Free Air Delivery at 1235 RPM (idle)	Working Pressure Constant	Duty Cycle	Oil Capacity	Automatic Compressor Shutdowns
Ingersoll-Rand CE55 G1	Rotary screw with electric clutch for on/off. Oil change intervals of 500 hours (same as engine). Life expectancy of 30,000 hours.	1.70 m³/min (60 cfm)	1.13 m³/min (40 cfm)	100 psig 7 bar	100%	4.7 L (5 qt)	Oil temperature

Big Blue® Turbo

See Literature No. ED/10.3

Similar to the Big Blue Air Pak, but without the air compressor.



Meter maintenance displays

- Fuel gauge
- Hour meter function
- Oil change interval
- High coolant temperature, low oil pressure and low fuel shutdowns

Turbocharged engine provides superior performance in high altitudes.

Highest output rating available on an engine-driven welder: 20 to 750 amp range, 600 amps at 100% duty cycle!

Quiet. Only 70 dB (95 Lwa) at idle and 79 dB (104 Lwa) at maximum output.

Hot Start™ makes it easy to start all types of Stick electrodes.

Arc-Drive™ enhances Stick welding, especially on pipe, by focusing arc and preventing electrode from going out.

5500-watt peak AC power independent of weld settings means no interaction between tools and the welding arc.

CSA, IEC and NEMA compliant.

Heavy Industrial



Processes

- Stick (SMAW) • MIG (GMAW)
- TIG (GTAW) • Flux Cored (FCAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) (rated 12 mm [1/2 in.], capable 16 mm [5/8 in.] carbons)
- Stud

Diesel Engine

EPA Tier 4i Compliant!

Deutz TD2011L04:

63.4 HP at 1850 RPM
Turbo-charged, 4-cylinder, industrial, liquid-cooled

• Engine Filter Kit #246 988
Note: Engine is warranted separately by engine manufacturer.

Stock Number	Weld Mode	Process	Amp/Volt Ranges	Rated Output at 40°C (104°F)	1-Phase Generator Power at 40°C (104°F)	Dimensions	Net Weight
Diesel (#907 157) Deutz	CC/DC	Stick/TIG	20-750 A	600 A at 44 V, (26.4 kW), 100% Duty Cycle	Peak: 5500 watts Continuous: 4000 watts	H: 1092 mm (43 in.) W: 724 mm (28.5 in.) D: 1765 mm (69.5 in.)	796 kg (1755 lb.)
	CV/DC	MIG/FCAW	14-40 V				